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located radially inward of said conductive windings located therein;

a movable rotor located radially inward of said stator;

an electrostatic shield arrangement being formed by an insulative layer of resin material covered by a conductive layer located radially inward thereof; and

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said insulative layer and said conductive layer being conformally applied to said stator so as to be located in said winding slots radially inward of said respective top liner and an inside surface of said first and second coilheads to interpose said conductive windings and said rotor.

2. (Amended) An electromechanical machine as set forth in claim 1, wherein said conductive layer of said shield arrangement comprises a nonmagnetic conductive material.

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9. (Amended) An electromechanical machine comprising:
a fixed stator having conductive windings located in a plurality of parallel, axially extending winding slots defined in a magnetically permeable core;

a movable rotor operative to have a magnetic flux induced therein by excitation of said conductive windings of said stator;

an insulative layer having a conformal structure characteristic of a resin that had been applied to said stator in

an uncured state after said conductive windings were placed in said winding slots and subsequently cured to yield a predetermined layer thickness between said conductive windings and said rotor; and

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a conductive layer of metallic paint bonded to said insulative layer and thereby separated from said conductive windings, said insulative layer and said conductive layer thereby forming an electrostatic shield arrangement interposing said conductive windings and said rotor.
